



A.D. 1857 N° 2.

S P E C I F I C A T I O N

OF

CHARLES CHRISTIAN REINHARDT.

FASTENING METALLIC BACKS TO TRUSS
PADS OF GLASS, &c.

L O N D O N :

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1857.



A.D. 1857 N° 2.

Fastening Metallic Backs to Truss Pads of Glass, &c.

LETTERS PATENT to Charles Christian Reinhardt, of the City of Baltimore in the State of Maryland, United States of America, for the Invention of “**AN IMPROVEMENT IN THE MANNER OF FASTENING METALLIC BACKS TO TRUSS PADS OF GLASS, PORCELAIN, OR OTHER ANALOGOUS SUBSTANCES.**”

Sealed the 23rd June 1857, and dated the 1st January 1857.

PROVISIONAL SPECIFICATION left by the said Charles Christian Reinhardt at the Office of the Commissioners of Patents, with his Petition, on the 1st January 1857.

I, CHARLES CHRISTIAN REINHARDT, of the City of Baltimore, in the State
5 of Maryland, United States of America, do hereby declare the nature of the
said Invention for “**AN IMPROVEMENT IN THE MANNER OF FASTENING METALLIC
BACKS TO TRUSS PADS OF GLASS, PORCELAIN, OR OTHER ANALOGOUS SUBSTANCES,**” to
be as follows :—

The Invention refers to the manner of attaching glass or porcelain pads to
10 their metallic backs, and is designed to obviate defects existing in the ordinary
mode of securing the glass within a shallow brass cup. It consists in con-
structing the back with a flange extending around its edge, so as to slip within
the rim constituting the edge of the glass pad. This makes a strong
attachment, and prevents the metallic back from coming in contact with the
15 skin of the wearer.

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SPECIFICATION in pursuance of the conditions of the Letters Patent, filed by the said Charles Christian Reinhardt in the Great Seal Patent Office on the 1st July 1857.

TO ALL TO WHOM THESE PRESENTS SHALL COME, I, CHARLES CHRISTIAN REINHARDT, of the City of Baltimore, in the State of Maryland, 5 United States of America, send greeting.

WHEREAS Her most Excellent Majesty Queen Victoria, by Her Letters Patent, bearing date the First day of January, in the year of our Lord One thousand eight hundred and fifty-seven, in the twentieth year of Her reign, did, for Herself, Her heirs and successors, give and grant unto me, the said Charles 10 Christian Reinhardt, Her special licence that I, the said Charles Christian Reinhardt, my executors, administrators, and assigns, or such others as I, the said Charles Christian Reinhardt, or my executors, administrators, and assigns, should at any time agree with, and no others, from time to time and at all times thereafter during the term therein expressed, should and lawfully might 15 make, use, exercise, and vend, within the United Kingdom of Great Britain and Ireland, the Channel Islands, and Isle of Man, an Invention for "AN IMPROVEMENT IN THE MANNER OF FASTENING METALLIC BACKS TO TRUSS PADS OF GLASS, PORCELAIN, OR OTHER ANALOGOUS SUBSTANCES," upon the condition (amongst others) that I, the said Charles Christian Reinhardt, or my executors 20 or administrators, by an instrument in writing under my, or their, or one of their hands and seals, should particularly describe and ascertain the nature of the said Invention, and in what manner the same was to be performed, and cause the same to be filed in the Great Seal Patent Office within six calendar months next and immediately after the date of the said Letters 25 Patent.

NOW KNOW YE, that I, the said Charles Christian Reinhardt, do hereby declare the nature of my said Invention, and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement, reference being had to the accompanying Sheet of 30 Drawings, in which Figure 1 is a back view of the pad; Figure 2 is a section on line x, x , of Figure 1; and Figure 3 is a representation of the ordinary mode of attachment. Similar letters of reference denote the same part.

The Invention refers to the manner of attaching glass or porcelain pads to their metallic backs, and is designed to obviate defects existing in the 35 ordinary mode of securing the glass within a shallow brass cup. It consists in constructing the back with a flange extending around its edge, so as to slip within the rim constituting the edge of the glass pad, whereby the back is

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secured to the glass or porcelain, and with advantages hereafter to be set forth.

In the Drawings, G represents the glass or porcelain, and B the metallic portion of the pad, the former cast hollow, and so that its edge shall constitute
5 a rim for the reception of the flange *f* of the metallic piece B, as shown in Figure 2.

The ordinary mode of attaching the glass or porcelain to the back is shown in Figure 3, where a rim *w* of the glass is held in a shallow metallic cup. This rim *w* was of necessity made shallow, as the increasing of its depth
10 would bring the metal too near the face of the pad, or if increased in direction of the back, it would add too much to the thickness and weight of the pad. The ill effect of this shallow rim is the splintering of the rim and consequent loosening of the back by pressure. This I obviate by placing the flange *f* within the deep and strong rim constituting the edge of the pad. Moreover,
15 with the cup attachment the sinking of the pad in the flesh of the wearer brings the metal in contact with the skin, producing irritation and sores. With the mode of attachment here claimed, it is impossible for the skin of the wearer to come in contact with the metal.

Having now described my Invention and its advantages, what I claim
20 under the above in part recited Letters Patent is, the attachment of metallic backs to the glass or porcelain faces of truss pads, by a flange around the edge of the back, slipping within the rim constituting the edge of the glass or porcelain face piece, substantially as and for the purposes specified.

In witness whereof, I, the said Charles Christian Reinhardt, have hereunto
25 set my hand and seal, this Thirteenth day of June, in the year of our Lord One thousand eight hundred and fifty-seven.

CHARLES CHRISTIAN REINHARDT. (L.S.)

LONDON :

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A.D. 1857. JAN. 1. N^o 2.
REINHARDT'S SPECIFICATION.

FIG. 1.

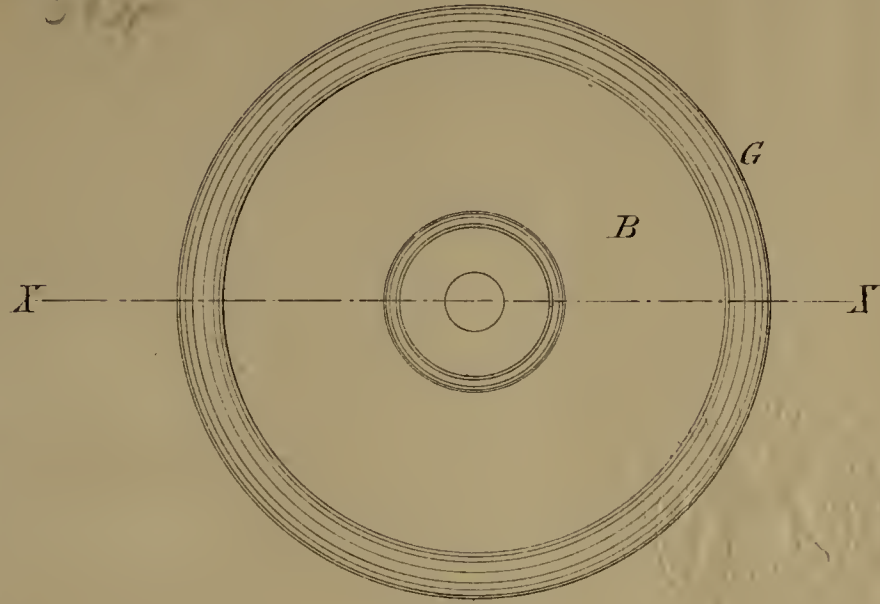


FIG. 2.

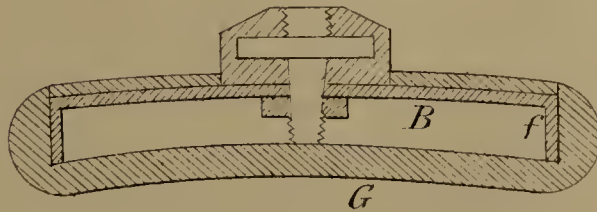
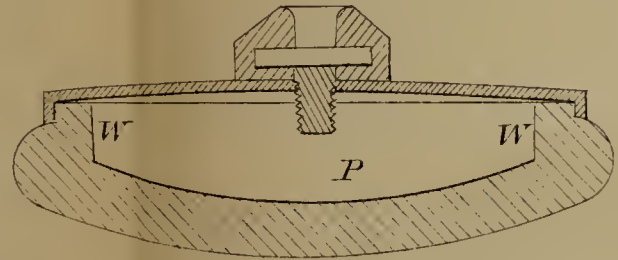


FIG. 3.



The filed drawing is partly colored

Drawn on Stone by Malby & Sons.

